

E, F, G, H, let perpendiculars $A\alpha$, $B\beta$, &c. be erected, by whose intervals the extent of the several Colours set underneath against them, is to be represented. Then divide the line $A\alpha$ in such proportion as the numbers 1, 2, 3, 5, 6, 7, 9, 10, 11, &c. set at the points of division denote. And through those divisions from Y draw lines 1 I, 2 K, 3 L, 5 M, 6 N, 7 O, &c.

Now if A 2 be supposed to represent the thickness of any thin transparent Body, at which the utmost violet is most copiously reflected in the first Ring, or Series of Colours, then by the 13th Observation H K, will represent its thickness, at which the utmost red is most copiously reflected in the same Series. Also by the 5th and 16th Observations, A 6 and H N will denote the thicknesses at which those extreme Colours are most copiously reflected in the second Series, and A 10 and H Q the thicknesses, at which they are most copiously reflected in the third Series, and so on. And the thickness at which any of the intermediate Colours are reflected most copiously, will, according to the 14th Observation, be defined by the distance of the line A H from the intermediate parts of the lines 2 K, 6 N, 10 Q, &c. against which the names of those Colours are written below.

But further, to define the latitude of these Colours in each Ring or Series, let A 1 design the least thickness, and A 3 the greatest thickness, at which the extreme violet in the first Series is reflected, and let H I, and H L, design the like limits for the extreme red, and let the intermediate Colours be limited by the intermediate parts of the lines 1 I, and 3 L, against which the names of those Colours are written, and so on: But

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Now according to the rays originally reflected at the Sp and transmitted at 57. it is easy to know be exhibited at any For if a Ruler be stance from it by represented, the a which it crosseth lours, of which th is compounded. in the third Series Ruler as you see at some of the blue at the green at e, you bited at that thick stituted of original of some blue and y